

Listing of Claims

Claim 1 (previously presented): A method to provide a sync notification to a client device comprising the steps of:

receiving notification that an event of interest has been received;

in response to receiving the notification, determining a state of the client device, said state indicating whether or not the client device has outstanding sync notifications, said state being determined based on a trackingGUID and a syncGUID;

if the state of the client device indicates that the client device has no outstanding sync notifications prior to the receipt the received notification:

setting trackingGUID equal to the syncGUID, wherein the syncGUID is updated after each successful device synchronization of the client device;

setting a timeout equal to a current time plus a predetermined value; and sending the sync notification to the client device; and

if the state of the client device indicates that the client device has at least one outstanding sync notification:

not sending the sync notification to the client device if the current time is less than the timeout, said timeout being used to determine the maximum time between sync notifications; and

sending the sync notification to the client device if the current time is greater than the timeout.

Claim 2 (original): The method of claim 1 further comprising the step of sending the sync notification to the client device if the trackingGUID equals the syncGUID and the current time is greater than the timeout.

Claim 3 (original): The method of claim 2 further comprising the step of setting the timeout equal to the current time plus the predetermined value.

Claim 4 (original): The method of claim 1 further comprising the step of receiving a device/user configuration file having at least one of the syncGUID and the trackingGUID.

Claim 5 (original): The method of claim 4 further comprising the step of reading the at least one of the syncGUID and the trackingGUID from the device/user configuration file.

Claim 6 (original): The method of claim 1 wherein the predetermined value is fifteen minutes.

Claim 7 (original): The method of claim 1 wherein the predetermined value is in the range of one to two hours.

Claim 8 (original): The method of claim 1 wherein the step of sending the sync notification comprises sending the sync notification using the SMTP (simple mail transfer protocol) protocol.

Claim 9 (original): The method of claim 1 further comprising the step of determining if the client device has received the event of interest.

Claim 10 (original): The method of claim 1 wherein the step of receiving notification that an event of interest has been received comprises the step of receiving a trigger event.

Claim 11 (previously presented): At least one computer readable storage medium having computer executable instructions for providing a sync notification to a client device, the computer executable instructions performing the steps of:

receiving notification that an event of interest has been received;
in response to receiving the notification, determining a state of the client device, said state indicating whether or not the device has outstanding sync notifications prior to the receipt the received notification, said state being determined based on a trackingGUID and a syncGUID;

determining if a current time is less than a timeout set based on the confidence level of the network wherein the timeout indicates how long to wait to retry sending the notification to the device;

sending the sync notification to the client device if the state of the client device indicates that the client device has at least one outstanding sync notification prior to the receipt the received notification and the current time is not less than a timeout; and

not sending the sync notification to the client device if the state of the client device indicates that the client device has at least one outstanding sync notification prior to the receipt the received notification and the current time is less than a timeout.

Claim 12 (previously presented): The at least one computer readable storage medium of claim 11 having further computer executable instructions for performing the steps comprising:

if the trackingGUID does not equal the syncGUID:

setting the trackingGUID equal to the syncGUID;

setting a timeout equal to the current time plus a predetermined value; and
sending the sync notification to the client device.

Claim 13 (previously presented): The at least one computer readable storage medium of claim 12 having further computer executable instructions for performing the steps comprising determining if the trackingGUID equals the syncGUID.

Claim 14 (previously presented): The at least one computer readable storage medium of claim 13 having further computer executable instructions for performing the step comprising setting the timeout equal to the current time plus the predetermined value.

Claim 15 (previously presented): The at least one computer readable storage medium of claim 14 wherein the predetermined value is fifteen minutes.

Claim 16 (previously presented): The at least one computer readable storage medium of claim 14 wherein the predetermined value is in the range of one to two hours.

Claim 17 (previously presented): The at least one computer readable storage medium of claim 11 having further computer executable instructions for performing the step

comprising receiving a device/user configuration file having at least one of the syncGUID and the trackingGUID.

Claim 18 (previously presented): The at least one computer readable storage medium of claim 17 having further computer executable instructions for performing the step comprising reading the at least one of the syncGUID and the trackingGUID from the device/user configuration file.

Claim 19 (previously presented): The at least one computer readable storage medium of claim 11 wherein the step of sending the sync notification comprises sending the sync notification using the SMTP (simple mail transfer protocol) protocol.

Claim 20 (previously presented): The at least one computer readable storage medium of claim 11 having further computer executable instructions for performing the step comprising determining if the client device has received the event of interest.

Claim 21 (previously presented): The at least one computer readable storage medium of claim 11 wherein the step of receiving notification that an event of interest has been received comprises the step of receiving a trigger event.

Claim 22 (canceled).

Claim 23 (canceled).

Claim 24 (previously presented): A method to provide a sync notification to a client device comprising the steps of:

receiving a notification that an event of interest has occurred;
in response to the notification, retrieving a device/configuration file of the client device, said device/configuration file including a syncGUID and a trackingGUID, said syncGUID being updated after each successful device synchronization of the client

device for indicating a state of the client device, and said trackingGUID being set to equal the last known syncGUID for the client device;

determining the state of the client device prior to receipt of the received notification based on the trackingGUID, wherein the client device is in an up-to-date state when the trackingGUID does not equal the syncGUID indicating the client device has performed a sync since a previous notification was processed and wherein the client device is in a pending synchronization state when the trackingGUID equals the syncGUID indicating the client device has not performed a sync since the previous notification was processed;

sending the sync notification to the client device and re-setting the trackingGUID to equal the syncGUID when the determined state of the client device prior to the receipt of the received notification is the up-to-date state; and

not sending the sync notification to the client device when the determined state of the client device prior to the receipt of the received notification is the pending synchronization state.